Work Order ID 50760

July 21, 2009 2:30:51 PM

Page 1

Item ID:

D2580-1

Accept

Setup Start



Revision ID: Item Name:

Start Date:

D

205 Skidtube bent detail

07/23/2009

Start Qty: 6.00

Required Date: 07/31/2009 Req'd Qty: 6.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: MF

Date: (9-07-2) Tooling:

Date:

Date:

Date:

Run

Start

Stop

QC:

Operation Description

Set Up/ **Run Hours** Draw Number

Plan Draw Rev. Code

Accept **Qty**

Reject Qty

Reject Insp. Number Stamp

Draw Nbr

Sequence ID/

Work Center ID

Revision Nbr

D2580 Rev D

HandFinish Hand Finishing

Memo

0.00

0.00

1- Inspect mat'l D2500-1-190 for damage.

2- Chemical Conversion Coat as per QSI 005 4.1

M9-7-22

110

Skidtubes Skidtubes

Memo

0.00

0.00

1-Drill pilot holes using drill jig DT 8149 (Do not use cutting fluid)

2-Open holes to 0.500" as per Dwg D2580 without cutting fluid

3-Deburr and blow out all chips from inside of tube

4-Bond web in place per QSI 015.

Pick:

Qty ()Part Number() Description | CDBatch | A/R | | CDD | Sikaflex-291 | CDD |

BE 09-07-23

SPC (Y/N):

Dail Ac	vari Aerospace Liu											
W/O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE	By Date	Qty Approval Chief Eng / Prod Mgr QC Inspector								
				·								
Part No		PAR #: Fault Category:	NCR: Yes No DQ/	A: Date:								
÷	•	•	OA: N/C Classe	d. Date:								

NCR:	WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC		Corrective Action Section B	Verification	Annaoual	Ammayal	
DATE STEP	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
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Page 2

July 21, 2009 2:30:51 PM

Item ID:

D2580-1

Revision ID: D

Item Name:

205 Skidtube bent detail

Start Date:

07/23/2009

Required Date: 07/31/2009

Start Qty: 6.00 Req'd Qty: 6.00



Accept

Setup Start

Stop



Reference:

Approvals:

Process Plan:

QC:

Date: Date: **Tooling:**

SPC (Y/N):

Cust Item ID:

Customer:

Date: Date:

Draw

Rev.

Start Stop



Sequence ID/

Work Center ID 120

QC

Quality Control

Operation Description

QC3- Inspect Part Finish

Memo

Memo

Set Up/ **Run Hours**

0.00

0.00

Draw

Number

Plan Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

QC5- Inspect part completeness to step on W/O

Quality Control

130

Identify as per dwg & Stock Location: L.G.

0.00

Packaging

140

Memo

0.00

N9-7-23

Packaging

W/O:		-	WC	RK ORDER CHANGE	S				
DATE	STEP	PR	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	NCR: Yes	No DQ	A :	_ Date: _	· · · · · ·	
					QA: N	/C Closed	d:	_ Date: _	
NCR:			WORK ORDE	ER NON-CONFORMAN	ICE (NCF	R)			
D.4.T.F.	0750	Description of NC		Corrective Action Section		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Secti		Chief Eng	QC Inspector
							,	1	

Work Order ID 50760

July 21, 2009 2:30:51 PM



Page 3

Item ID:

D2580-1

Accept

Setup Start

Revision ID:

D

Item Name:

205 Skidtube bent detail

Start Date: 07/23/2009

Required Date: 07/31/2009

Start Qty: 6.00

Req'd Qty: 6.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

QC:

Operation

Description

Date: Date:

Tooling:

Date:

Date:

Rev.

Start Run

Stop

Stop

Sequence ID/

Work Center ID

150

QC

Quality Control

Memo

QC21- Final Inspection - Work Order Release

0.00

Run Hours

SPC (Y/N):

Set Up/

0.00

Draw Number Draw Plan Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

W/O:		WORK ORDER CHA	WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector						
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Part No: _	 PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
			QA: N/C	Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B	Verification	Approval	Approval QC Inspector				
DATE	STEP Description of NC Section A		Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Chief Eng			
•											

July 21, 2009 2:30:50 PM

Work Order ID: 50760

Parent Item:

D2580-1RevD

Parent Item Name: 205 Skidtube bent detail





Start Date: 07/23/2009

Required Date: 07/31/2009

Start Qty: 6.00

Required Qty: 6.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2500-1-190RevU/R		Manufactured	No			100	Each	0.0000	6.0000	3 46462(6) H Q	-7-22
Ext'n -' l' Beam Tube 4" D2596RevD Web, 205 Skidtube		Manufactured	No			110	Each	4.0000	6.0000 B	50361 D 5076-1	(2) K	19-7-22

Warehouse	Loc Qty	Loc Code	000.0
Location			
Main Warehouse			
LG	4		
50361	4		

W/O:			WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date:					
			QA: I	N/C Close	d:	Date:					

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B	Verification	Annanal	Annroval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Approval Section C Chief Eng		Approval QC Inspector			
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DESIG	H	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHEC	KED	APPROVED	DRAWING NO. REV. D
	M		D2580 SHEET 1 OF 3
DATE			TITLE SCALE
07.0	02.27		205 SKIDTUBE ASSEMBLY NTS
Α		96.09.16	NEW ISSUE
В		96.12.02	AS MANUFACTURED
С		98.08.26	REDRAWN, INCLUDED DEO 9094/9097
D		07.02.27	CHANGE TO SS WEARPLATES AND

GASKETS, INCLUDE DEO 9124/9183



QTY	QTY	Part Number	Description
-041	-045		
X		D2580-041	SKIDTUBE ASSEMBLY
	X	D2580-045	SKIDTUBE ASSEMBLY
11	11	D2500-1-190	EXTRUSION
1	1	D2576-3	STEP
20	24	D2579	CROSS BOLT SPACER
16	16	D2594-1	PLUG
16	16	D2594-3	O-RING
1	1	D2596	205 WEB
1	1	D2855	AFT CAP
1	1	D3564-5	WEARSHOE
1	1	D3564-9	WEARSHOE
1	1	D3564-11	WEARSHOE
1	1	D3564-13	WEARSHOE
2	2	D3566-1	GASKET
1	1	D3566-5	GASKET
1	1	D3566-13	GASKET
50	50	ALS7-1032-130	INSERT
		or AKS7-1032-130	
		or AKS4-1032-130	
		or AELS-1032-130	
50	50	AN3C4A	BOLT
2	2	AN3-5A	BOLT
50	50	AN960C10L	WASHER
2	2	AN960JD10L	WASHER

GENERAL NOTES:

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) ALL DIMENSIONS ARE IN INCHES
- 3) INSERT D2596 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241 ADHESIVE PER DART QSI 015 BEFORE BENDING. ENSURE HOLES LINE-UP.
- 4) BEND AS A SMOOTH RADIUS STARTING WITH A MAXIMUM CENTERLINE RADIUS OF 60 AND ENDING WITH A MINIMUM RADIUS OF 30. A MAXIMUM REDUCTION OF 0.200 IN DIAMETER IS ALLOWABLE IN THE BENT PORTION OF THE TUBE.
- 5) USE DART DRILL TEMPLATE TD2577-205 TO LOCATE AND DRILL Ø0.297 HOLES FOR WEARSHOE INSERTS. INSTALL ALS7-1032-130 PER SECTION D-D (50 PLACES) AFTER FINISH. INSTALL AN3C4A BOLTS AND AN960C10L WASHERS WITH SIKAFLEX-241/-291.
- 6) WELDING TO BE DONE PER DART QSI 004.
- 7) FINISH:

SEE NOTES ON

PAGE 2 FOR D2580-041 AND

PAGE 3 FOR D2580-045

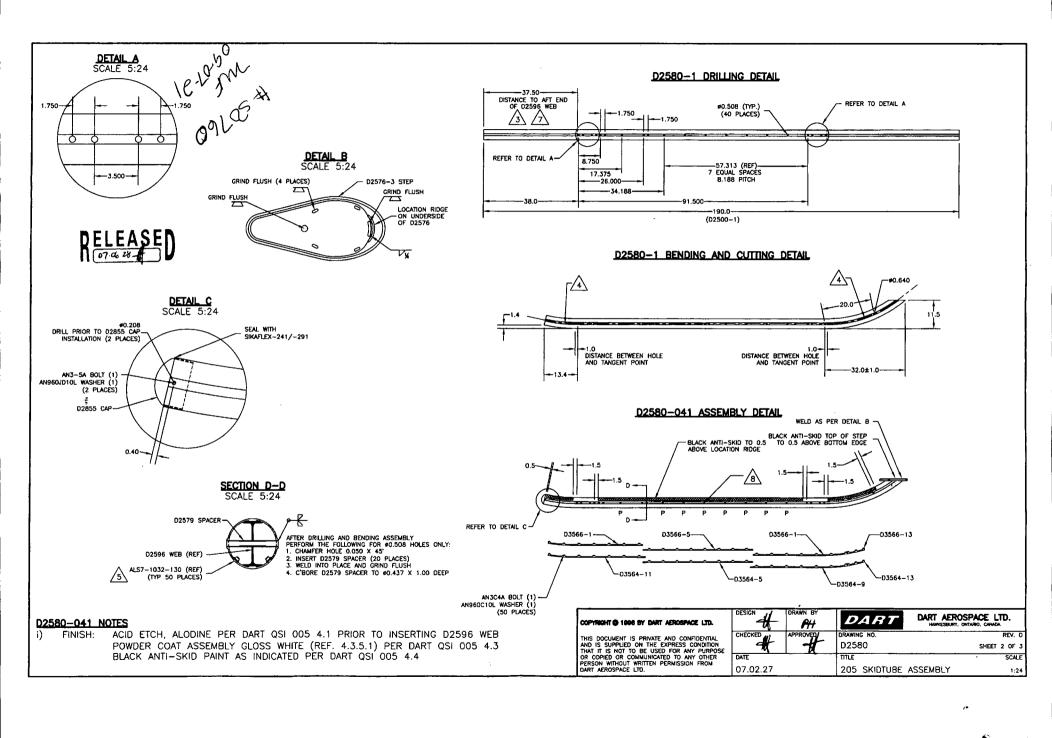
B) INSERT D2594-1 PLUG C/W D2594-3 O-RING IN HOLES MARKED 'P' (BOTH SIDES OF TUBE) AFTER FINISH (16 PLACES).

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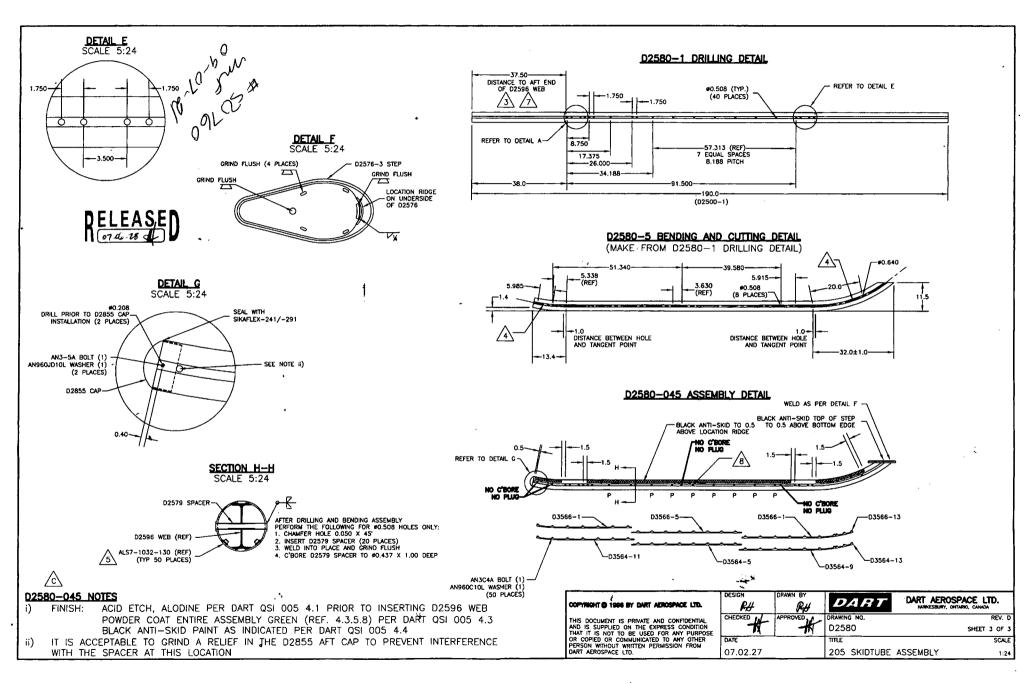
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16-10 Amy (1-3)

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					QA:	N/C Close	d:	Date:	
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NC	R)		·······························	
DATE	STEP	Description of NC			tion B	Verifi	cation	Approval	Approval
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DATE	STEP	Description of NC		Corrective Action Section		Verificatio	n Approval	
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W/O:		WORK ORDER CHANGES	WORK ORDER CHANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•		CR: Yes	s No DQA	λ:	Date:	

QA: N/C Closed: ____ Date: ____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
DATE	<u> </u>	Description of NC	Corrective Action Section B			Verification -	A	A			
	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & .Date	Section C	Approval Chief Eng	Approval QC Inspector			
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